

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	10	((("conductive polymer" or ICP or polypyrrole or polythiophene or polyindole or polycarbazole or polyaniline or polyfuran or polyparaphenylene or PPV) and (aluminum or indium or titanium or cadmium or manganese or iron or copper or silver or tin or antimony or lead or sodium or calcium) and (water or moisture or atmosphere))). clm. and 252/519.33.ccls.	US-PGPUB; USPAT	OR	ON	2008/01/15 17:27
L2	14	((("conductive polymer" or ICP or polypyrrole or polythiophene or polyindole or polycarbazole or polyaniline or polyfuran or polyparaphenylene or PPV) and (aluminum or indium or titanium or cadmium or manganese or iron or copper or silver or tin or antimony or lead or sodium or calcium) and (water or moisture or atmosphere))). clm. and 252/512.ccls.	US-PGPUB; USPAT	OR	ON	2008/01/15 17:27
L3	2	((("conductive polymer" or ICP or polypyrrole or polythiophene or polyindole or polycarbazole or polyaniline or polyfuran or polyparaphenylene or PPV) and (aluminum or indium or titanium or cadmium or manganese or iron or copper or silver or tin or antimony or lead or sodium or calcium) and (water or moisture or atmosphere))). clm. and 252/518.1.ccls.	US-PGPUB; USPAT	OR	ON	2008/01/15 17:28
L4	0	((("conductive polymer" or ICP or polypyrrole or polythiophene or polyindole or polycarbazole or polyaniline or polyfuran or polyparaphenylene or PPV) and (aluminum or indium or titanium or cadmium or manganese or iron or copper or silver or tin or antimony or lead or sodium or calcium) and (water or moisture or atmosphere))). clm. and 252/519.3.ccls.	US-PGPUB; USPAT	OR	ON	2008/01/15 17:35

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L5	1	((("conductive polymer" or ICP or polypyrrole or polythiophene or polyindole or polycarbazole or polyaniline or polyfuran or polyparaphenylene or PPV) and (aluminum or indium or titanium or cadmium or manganese or iron or copper or silver or tin or antimony or lead or sodium or calcium) and (water or moisture or atmosphere))). clm. and 252/520.1.ccls.	US-PGPUB; USPAT	OR	ON	2008/01/15 17:36
L6	2	((("conductive polymer" or ICP or polypyrrole or polythiophene or polyindole or polycarbazole or polyaniline or polyfuran or polyparaphenylene or PPV) and (aluminum or indium or titanium or cadmium or manganese or iron or copper or silver or tin or antimony or lead or sodium or calcium) and (water or moisture or atmosphere))). clm. and 252/520.2.ccls.	US-PGPUB; USPAT	OR	ON	2008/01/15 17:36
L7	2	((("conductive polymer" or ICP or polypyrrole or polythiophene or polyindole or polycarbazole or polyaniline or polyfuran or polyparaphenylene or PPV) and (aluminum or indium or titanium or cadmium or manganese or iron or copper or silver or tin or antimony or lead or sodium or calcium) and (water or moisture or atmosphere))). clm. and 252/521.2.ccls.	US-PGPUB; USPAT	OR	ON	2008/01/15 17:36
S1	0	hoshino-katsuyoshi-\$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/06 10:46
S2	38	hoshino-katsuyoshi.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/06 10:47
S3	10	watanabe-hiroyuki-\$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/06 10:47

## EAST Search History

S4	2236	watanabe-hiroyuki.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/06 10:49
S5	439	watanabe-hiroyuki.in.	US-PGPUB; USPAT	OR	ON	2007/01/06 11:04
S6	638	((vapor near2 deposit\$4) with (aluminum or titanium or indium or cadmium or manganese or iron or copper or silver or tin or antimony or lead or sodium or calcium)) and polypyrrole	US-PGPUB; USPAT	OR	ON	2008/01/14 14:11
S7	23	((vapor near2 deposit\$4) with (aluminum or titanium or indium or cadmium or manganese or iron or copper or silver or tin or antimony or lead or sodium or calcium)) same polypyrrole	US-PGPUB; USPAT	OR	ON	2007/01/06 11:07
S8	76	((vapor near2 deposit\$4) or sputter\$3) with (aluminum or titanium or indium or cadmium or manganese or iron or copper or silver or tin or antimony or lead or sodium or calcium)) same polypyrrole	US-PGPUB; USPAT	OR	ON	2007/01/06 13:10
S9	1057	pyrrole with polymerization	US-PGPUB; USPAT	OR	ON	2007/01/06 11:10
S10	1021	(pyrrole with polymerization) and (aluminum or titanium or indium or cadmium or manganese or iron or copper or silver or tin or antimony or lead or sodium or calcium)	US-PGPUB; USPAT	OR	ON	2007/01/06 11:11
S11	332	(pyrrole with polymerization) and ((aluminum or titanium or indium or cadmium or manganese or iron or copper or silver or tin or antimony or lead or sodium or calcium) near2 layer)	US-PGPUB; USPAT	OR	ON	2007/01/06 11:11
S12	83	(pyrrole with polymerization with electrolyte) and ((aluminum or titanium or indium or cadmium or manganese or iron or copper or silver or tin or antimony or lead or sodium or calcium) near2 layer)	US-PGPUB; USPAT	OR	ON	2007/01/06 11:13
S13	194	(electrolytic with polymerization with pyrrole)	US-PGPUB; USPAT	OR	ON	2007/01/06 11:13
S14	35	(electrolytic with polymerization with pyrrole) and (vapor with deposit\$4)	US-PGPUB; USPAT	OR	ON	2007/01/06 12:37

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S15	2	metal with absorbed with polypyrrole	US-PGPUB; USPAT	OR	ON	2007/01/06 12:38
S16	16	(polypyrrole near2 substrate) same (metal with (layer or substrate))	US-PGPUB; USPAT	OR	ON	2007/01/06 12:59
S17	20	metal with coated with pyrrole	US-PGPUB; USPAT	OR	ON	2007/01/06 12:45
S18	158	(polypyrrole near2 layer) same ((aluminum or titanium or indium or cadmium or manganese or iron or copper or silver or tin or antimony or lead or sodium or calcium) with (layer or substrate))	US-PGPUB; USPAT	OR	ON	2007/01/06 13:01
S19	0	(polypyrrole near2 layer) same (vapor near2 metal)	US-PGPUB; USPAT	OR	ON	2007/01/06 13:01
S20	3	(polypyrrole near2 layer) same (vapor with metal)	US-PGPUB; USPAT	OR	ON	2007/01/06 13:02
S21	0	(ICP near2 layer) same (vapor with metal)	US-PGPUB; USPAT	OR	ON	2007/01/06 13:02
S22	116	((vapor near2 deposit\$4) or sputter\$3) with (aluminum or titanium or indium or cadmium or manganese or iron or copper or silver or tin or antimony or lead or sodium or calcium)) same polyaniline	US-PGPUB; USPAT	OR	ON	2007/01/06 13:12
S23	0	((vapor near2 deposit\$4) or sputter\$3) with (aluminum or titanium or indium or cadmium or manganese or iron or copper or silver or tin or antimony or lead or sodium or calcium)) same aniline same electrolyte	US-PGPUB; USPAT	OR	ON	2007/01/06 13:13
S24	161	(aluminum or titanium or indium or cadmium or manganese or iron or copper or silver or tin or antimony or lead or sodium or calcium) same aniline same electrolyte	US-PGPUB; USPAT	OR	ON	2007/01/06 13:14
S25	22	(aluminum or titanium or indium or cadmium or manganese or iron or copper or silver or tin or antimony or lead or sodium or calcium) same aniline same electrolyte same polymeriz\$4	US-PGPUB; USPAT	OR	ON	2007/01/06 13:50
S26	1071	ICP with substrate	US-PGPUB; USPAT	OR	ON	2007/01/06 13:50
S27	110	(ICP with substrate) same metal	US-PGPUB; USPAT	OR	ON	2007/01/06 13:51

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S28	51	(ICP with substrate) same (metal with layer)	US-PGPUB; USPAT	OR	ON	2007/01/06 13:52
S29	21	(ICP with substrate) and (aniline or pyrrole)	US-PGPUB; USPAT	OR	ON	2007/01/06 13:53
S30	4	(ICP with substrate) and (aniline or pyrrole) same metal	US-PGPUB; USPAT	OR	ON	2007/01/06 22:30
S31	1	(metal near2 cathode) with (sputter\$4 or deposit\$4) and ((aniline or pyrrole or thiophene) with electrolyte with polymeriz\$5)	US-PGPUB; USPAT	OR	ON	2007/01/06 22:33
S33	68	(metal with (sputter\$4 or deposit\$4)) and ((aniline or pyrrole or thiophene) with electrolyte with polymeriz\$5)	US-PGPUB; USPAT	OR	ON	2007/01/06 22:46
S34	412	((conductive near2 polymer) with substrate) and metal near2 coating	US-PGPUB; USPAT	OR	ON	2007/01/06 22:48
S35	134	(conductive near2 polymer near2 substrate) and metal near2 coating	US-PGPUB; USPAT	OR	ON	2007/01/06 22:55
S36	16	(conductive near2 polymer near2 substrate) and (vapor with (metal near2 coating))	US-PGPUB; USPAT	OR	ON	2007/01/07 00:16
S37	79	electroplate\$1 near2 resin	US-PGPUB; USPAT	OR	ON	2007/01/07 00:06
S38	76	electroplate\$1 near2 resin and metal	US-PGPUB; USPAT	OR	ON	2007/01/07 00:06
S39	43	electroplate\$1 near2 resin same metal	US-PGPUB; USPAT	OR	ON	2007/01/07 00:09
S40	1000	(conductive near2 polymer) with (metal near2 (filler or particle\$1))	US-PGPUB; USPAT	OR	ON	2007/01/07 00:10
S41	45	(conductive near2 polymer) with (metal near2 (filler or particle\$1)) with deposit\$4	US-PGPUB; USPAT	OR	ON	2007/01/07 00:10
S42	5	(conductive near2 polymer) with (metal near2 (filler or particle\$1)) with vapor with deposit\$4	US-PGPUB; USPAT	OR	ON	2007/01/07 00:10
S43	0	(polyaniline near2 substrate) and (vapor with (metal near2 coating))	US-PGPUB; USPAT	OR	ON	2007/01/07 00:16
S44	2	(polythiophene near2 substrate) and (vapor with (metal near2 coating))	US-PGPUB; USPAT	OR	ON	2007/01/07 00:16
S45	783	252/500.ccls. and (polyaniline or pani or polythiophene or ICP or polypyrrole)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/07 15:01

## EAST Search History

S46	161	S45 and (metal or Ag or silver or Cu or copper or Ni or nickel) with (powder or filler)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/07 15:03
S47	156	S45 and (metal or Ag or silver or Cu or copper) with (powder or filler)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/07 15:08
S48	49	S47 and (water near2 solvent)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/07 16:22
S49	9	427/124.ccls. and (polyaniline or ICP or pani or polythiophene or polypyrrole)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/07 17:56
S50	11	427/124.ccls. and ("conductive polymer")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/07 17:52
S51	1706	"427"/\$.ccls. and (polyaniline or ICP or pani or polythiophene or polypyrrole)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/07 17:57
S52	1531	"427"/\$.ccls. and (polyaniline or ICP or pani or polythiophene or polypyrrole) and metal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/07 17:59
S53	1	427/584.ccls. and (polyaniline or ICP or pani or polythiophene or polypyrrole) and metal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/07 18:00
S54	20	427/585.ccls. and (polyaniline or ICP or pani or polythiophene or polypyrrole) and metal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/07 18:01
S55	2	427/585.ccls. and (polyaniline or ICP or pani or polythiophene or polypyrrole) and metal NOT plasma	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/07 18:07

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S56	3	427/255.28.ccls. and (polyaniline or ICP or pani or polythiophene or polypyrrole) and metal NOT plasma	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/07 18:07
S57	147	polyaniline and metal and galvanic	US-PGPUB; USPAT	OR	ON	2007/07/02 14:24
S58	49204	oxid\$10 and aniline and (water or aqueous)	US-PGPUB; USPAT	OR	ON	2007/07/02 14:25
S59	5844	(oxid\$10 with polymeriz\$10) and aniline and (water or aqueous)	US-PGPUB; USPAT	OR	ON	2007/07/02 14:26
S60	1411	(oxidiz\$5 with polymeriz\$10) and aniline and (water or aqueous)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/02 14:28
S61	85	("aluminum hydroxide" or "aluminum oxide") and ICP and "252"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/02 14:40
S62	162	("aluminum hydroxide" or "aluminum oxide") and polyaniline and "252"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/02 14:44
S63	154	("aluminum hydroxide" or "aluminum oxide") and polyaniline and "252"/\$.ccls. and (water or aqueous)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/02 14:44
S65	369	((electroconductive near2 polymer) or (electroactive near2 polymer) or (conductive near2 polymer) or icp or polyaniline or polythiophene or polypyrrole or polyacetylene or polyfuran or poly\$5phenylene) with (substrate or film) and ((cvd or (vapor near3 deposit\$4)) with ((aluminum or indium or titanium or cadmium or manganese or iron or copper or silver or tin or antimony or lead or sodium or calcium) near2 (oxide or hydroxide)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/03 10:22

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S66	292	((electroconductive near2 polymer) or (electroactive near2 polymer) or (conductive near2 polymer) or icp or polyaniline or polythiophene or polypyrrole or polyacetylene or polyfuran or poly\$5phenylene) with (substrate or film) and ((cvd or (vapor near3 deposit\$4)) with ((aluminum or indium or titanium or cadmium or manganese or iron or copper or silver or tin or antimony or lead or sodium or calcium) near2 (oxide or hydroxide))) and (water or aqueous)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/03 11:37
S67	0	osamu-nabeta.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/03 11:38
S68	133	nabeta-osamu.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/03 17:55
S69	205	anodic with indium	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/03 17:55
S70	48	anodic with indium with aluminum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/03 17:56
S71	1	10/526147.app.	US-PGPUB; USPAT	OR	ON	2008/01/14 15:56
S72	104	((("conductive polymer" or ICP or polypyrrole or polythiophene or polyindole or polycarbazole or polyaniline or polyfuran or polyparaphenylene or PPV) and (aluminum or indium or titanium or cadmium or manganese or iron or copper or silver or tin or antimony or lead or sodium or calcium) and (water or moisture or atmosphere)). clm. and "252"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2008/01/15 17:21